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— of inventorship (Rule 4.17(iv)) for US only

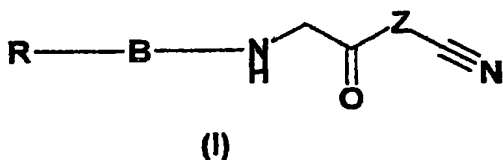
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: AZABICYCLO-OCTANE AND NONANE DERIVATIVES WITH DDP-IV INHIBITING ACTIVITY



(57) Abstract: The present invention relates to the novel compounds of the general formula (I) possessing DPP-IV inhibitory activity. These compounds contain tropane (B) building blocks.

INTERNATIONAL SEARCH REPORT

International Patent No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D451/04 C07D451/14 A61K31/46 A61P3/10 C07D277/06
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98 19998 A (CIBA GEIGY AG ; VILLHAUER EDWIN BERNARD (US)) 14 May 1998 (1998-05-14) claim 1	1-14
Y	WO 01 34594 A (JACKSON PAUL ; STEINER JOSEPH (US); GUILFORD PHARM INC (US)) 17 May 2001 (2001-05-17) claim 4; examples 44,93	1-14
Y	EP 1 323 710 A (TANABE SEIYAKU CO) 2 July 2003 (2003-07-02) claim 1	1-14
Y	WO 01 96295 A (NOVARTIS ERFIND VERWALT GMBH ; NOVARTIS AG (CH); VILLHAUER EDWIN BE) 20 December 2001 (2001-12-20) claim 1	1-14
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Z document member of the same patent family

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 273 778 A (HADLEY MICHAEL S ET AL) 16 June 1981 (1981-06-16) columns 13-17	1-14
P, Y	WO 03 002553 A (HAFFNER CURT DALE ;MCDUGALD DARRYL LYNN (US); SMITHKLINE BEECHAM) 9 January 2003 (2003-01-09) claim 20	1-14

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/US 03/00041

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-14

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

Compounds of formula I, their preparation and their application as DPP-IV inhibitors

2. claims: 15,16

Intermediates of formulae II and V (R-B-NH₂, R-B-NH-Y)

3. claims: 17-20

Intermediates of formulae VII, VIII, IX and III (proline "Z" analogues)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/HU 03/0041

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